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JC68

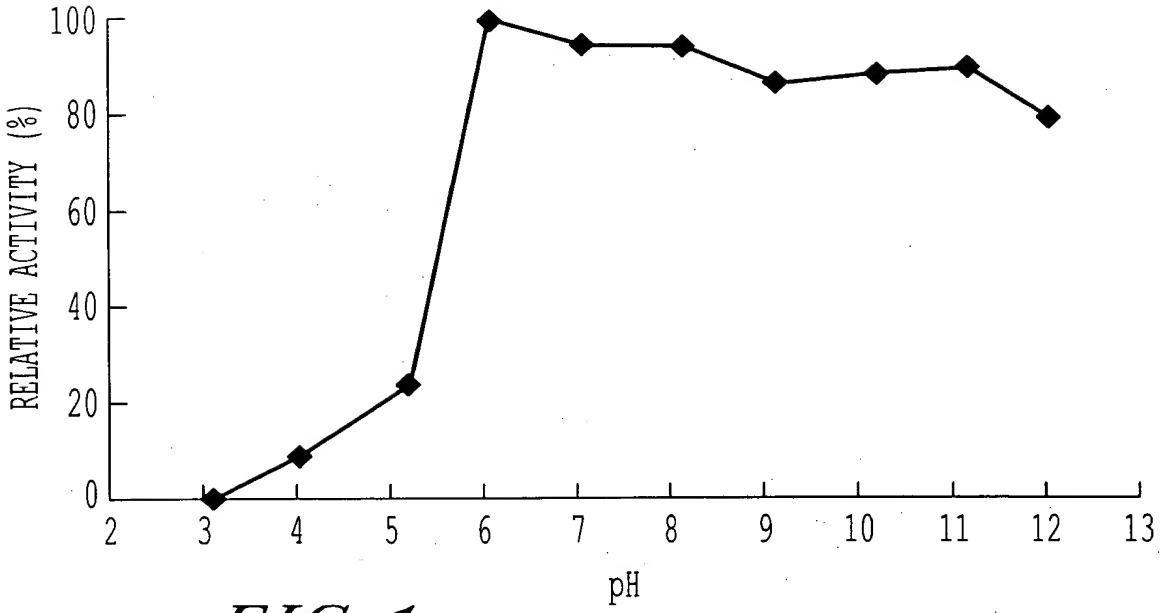

FIG. 1

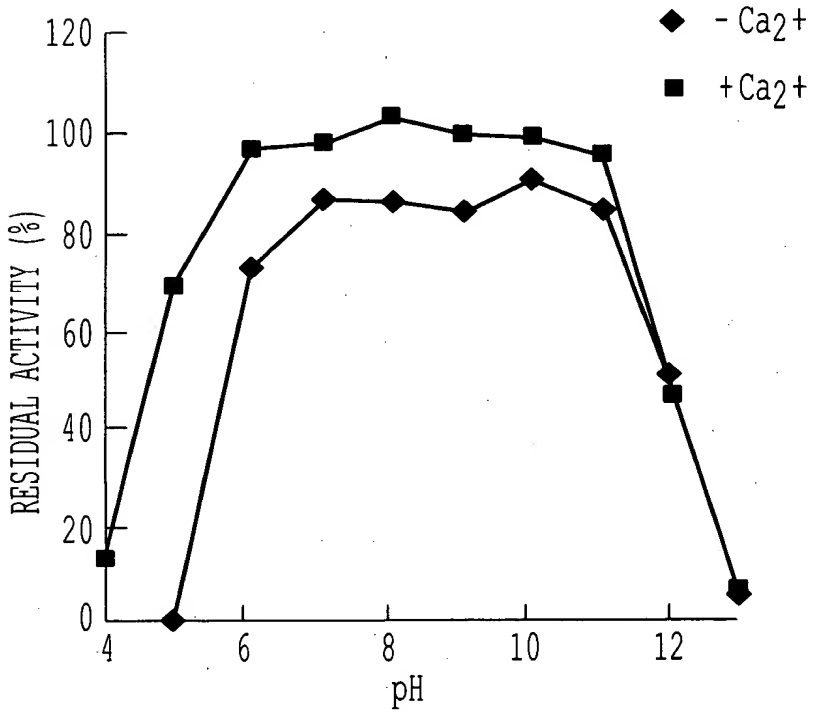

FIG. 2

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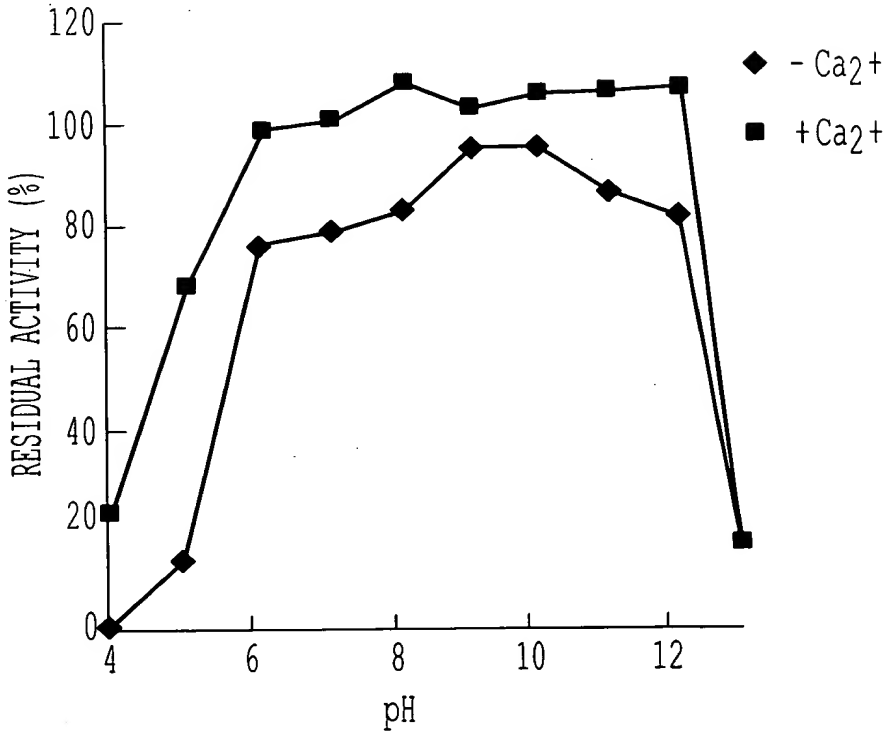

FIG. 3

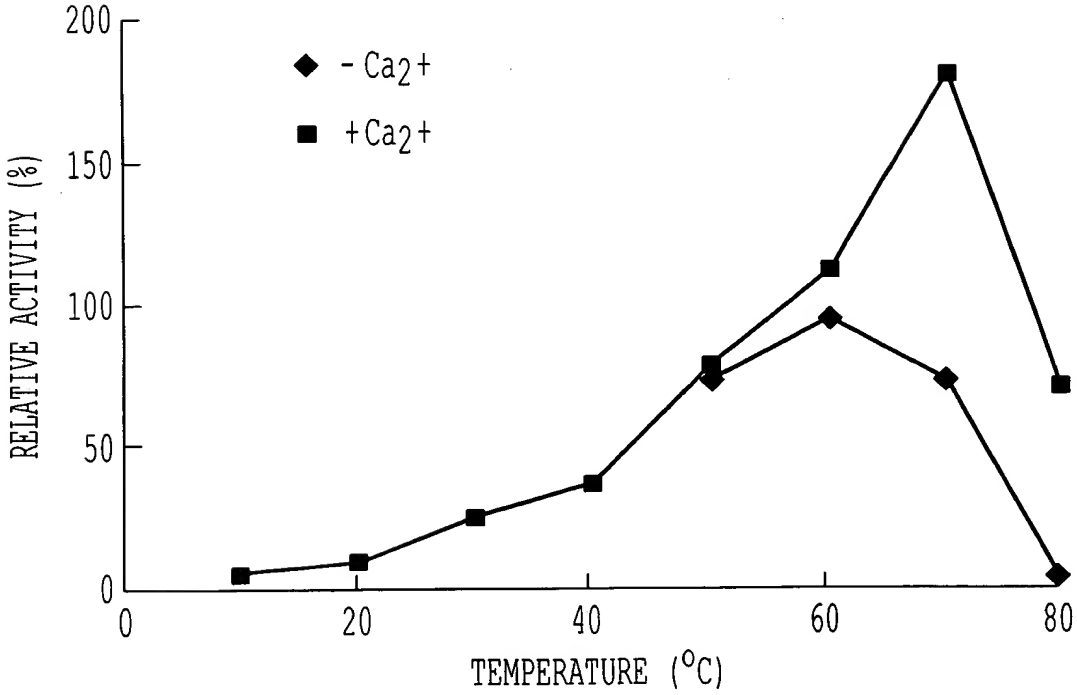

FIG. 4

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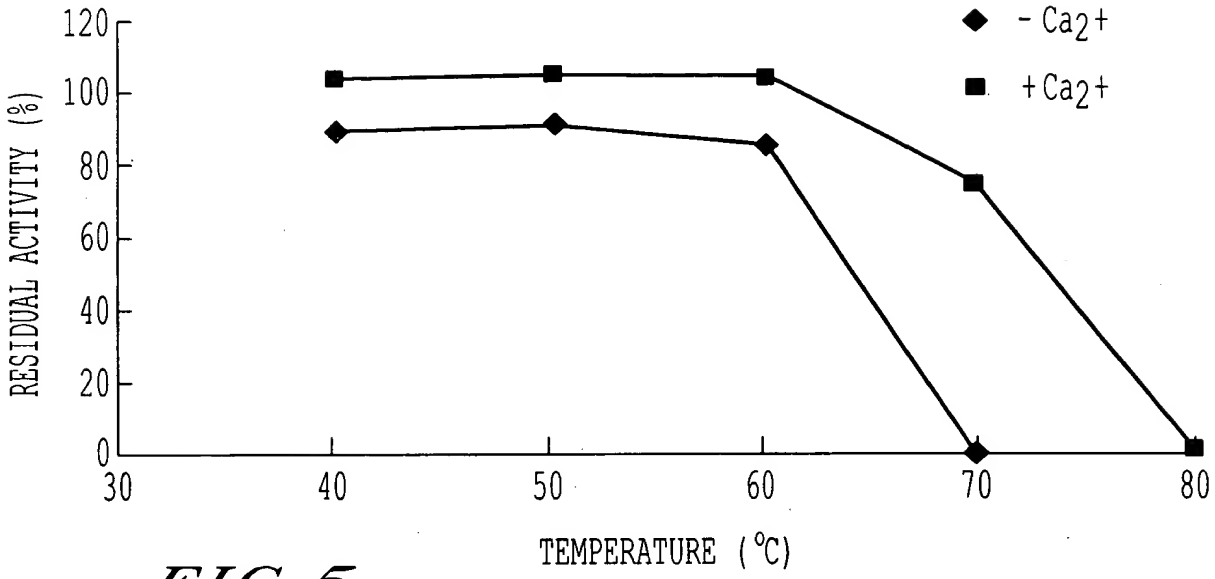

FIG. 5

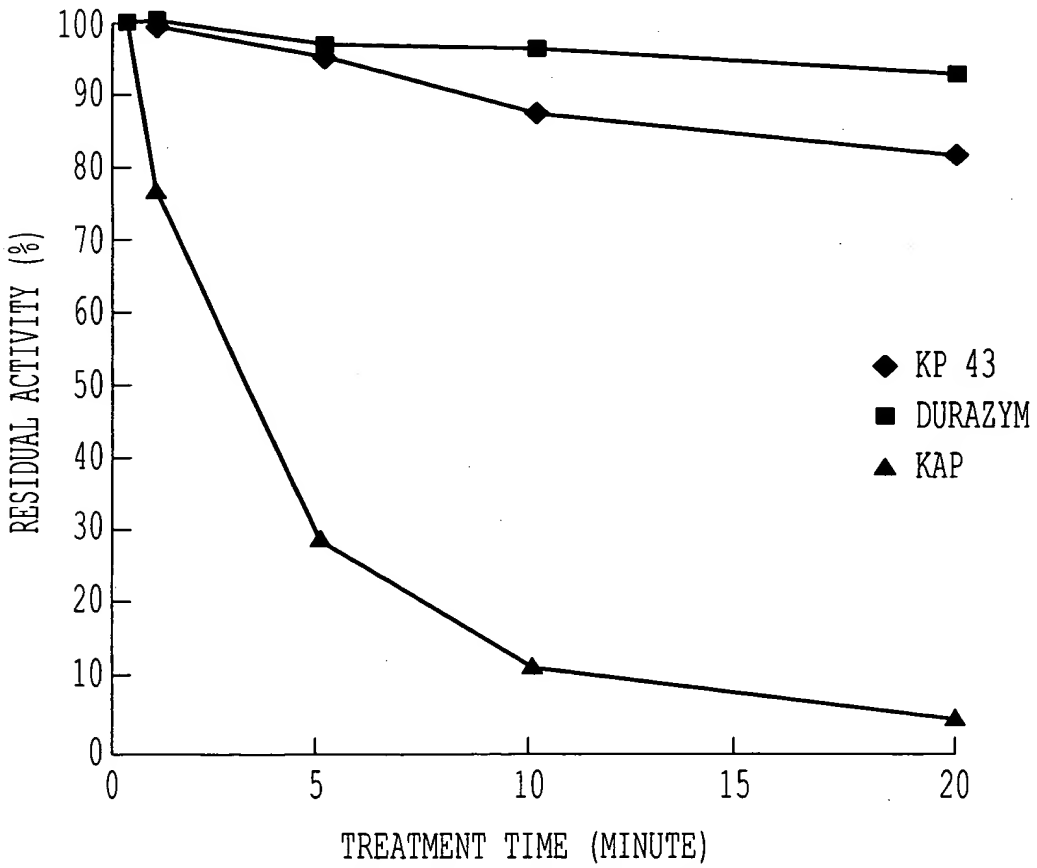

FIG. 6 STABILITY TO AN OXIDANT (50mM H_2O_2)

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N-terminal sequence of KP-9860 protease	NDVARHIVKADVAQSSYGLY
N-terminal sequence of 15kDa partially degraded product	GIVKADVAQSSYGL
N-terminal sequence of 18kDa partially degraded product	IKPDVMAPGTYIL
N-terminal sequence of 25kDa partially degraded product	NAITVGATENLRPSFGSYAD
N-terminal sequence of 28kDa partially degraded product	KNDMVILFAAGNEGPN

FIG. 7

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```
                    I   V   K   A   D   V   A   Q

9860-N2      5'     ATT GTT AAA GCT GAT GTT GCT CAA 3'
                      C   C   G   C   C   G   C   G
                      A   A       A       A   A
                          G       G       G   G

9860-18k-RV  3'     TAT TTT GGT CTA CAT TACN CGT GG  5'
                      A   C   C   G   C       C
                      G       A       A       A
                              G       G       G

                    I   K   P   D   V   M   A   P

9860-18k     5'     ATT AAA CCT GAT GTT ATG GCT CC   3'
                      C   G   C   C   C       C
                      A       A       A       A
                              G       G       G

9860-25k-RV  3'     TTA CGT TAT TGT CAT CCT CGT TGT  5'
                      G   C   A   C   C   C   C   C
                          A   G   A   A   A   A   A
                          G       G   G   G   G   G

                    N   A   I   T   V   G   A   T   E   N

9860-25k     5'     ATT ACT GTT GGT GCT ACT GAA AA   3'
                      C   C   C   C   C   C   G
                      A   A   A   A   A   A
                          G   G   G   G   G

9860-28k-RV  3'     TTA CTA TAC CAT TAT AAT AAA CG   5'
                      G   G       C   A G C   G
                                  A   G   A
                                  G       G

                    N   D   M   V   I   L   F   A

9860-28k     5'     AAT GAT ATG GTT ATT TTT TTT GC   3'
                      C   C       C   C C C   C
                                  A   A   A
                                  G       G
```

FIG. 8

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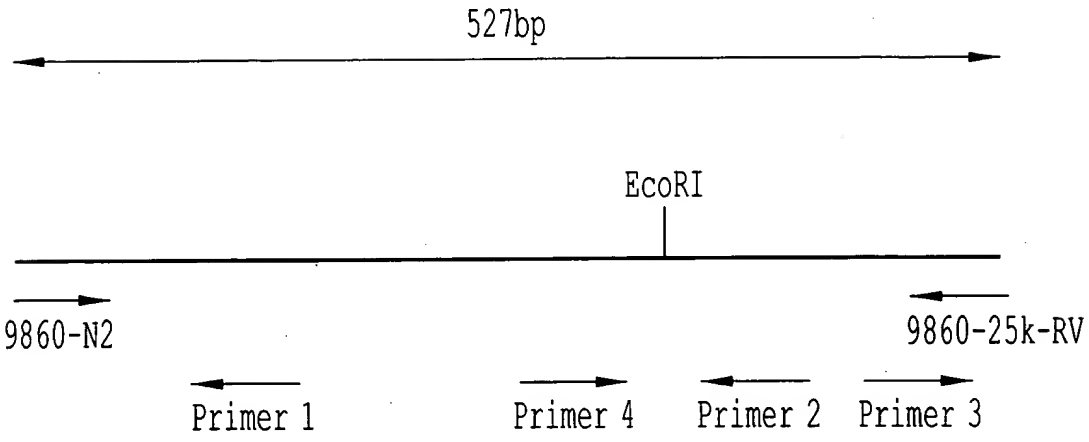

Primer 1: TCGGCAACTGCGACAATCTGG

Primer 2: TCTGGAATCTGTCGTGTAGGC

Primer 3: AACGGCGGTACCATCAGTGC

Primer 4: GGAGGCTTGCCTTCCAATCTG

FIG. 9